Map of parcels at 39 kft on 07080118 influenced by convection 0.0 to 2.5 days earlier Squares indicate location of convectively influenced in -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 07080118 2.5 2.0 Days Since Convection 1.5 1.0 0.5 **:**;. NASA/ARC Last Image Used is 0708010945 1443 Trajectories

Map of parcels at 39 kft on 07080118 influenced by convection 2.5 to 5.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 07080118 5.0 4.5 Days Since Convection 4.0 3.5 3.0 2.5 NASA/ARC **PSL** Last Image Used is 0708010945 1443 Trajectories

Map of parcels at 39 kft on 07080118 influenced by convection 5.0 to 7.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 07080118 7.5 7.0 Days Since Convection 5.5 5.0 NASA/ARC **PSL** Last Image Used is 0708010945 1443 Trajectories

Map of parcels at 39 kft on 07080118 influenced by convection 7.5 to 10.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection :Cross, square, and trajectory colors indicate elapsed time between convection and 07080118 10.0 Days Since Convection 9.0 8.5 8.0 7.5 NASA/ARC Last Image Used is 0708010945 1443 Trajectories